

What's new in the second edition of solar photovoltaics?

The second edition has been revised with additional exercises to reinforce understanding. The key takeaways are that the book discusses the fundamentals, technologies and applications of solar photovoltaics from the physics of solar cells to manufacturing technologies to system design and applications.

What are the key takeaways from solar photovoltaics?

The key takeaways are that the book discusses the fundamentals, technologies and applications of solar photovoltaics from the physics of solar cells to manufacturing technologies to system design and applications.

What are solar photovoltaics and what are they used for?

Who is Chetan Singh Solanki?

Chetan Singh Solanki, Ph.D., is Associate Professor in the Department of Energy Science and Engineering at Indian Institute of Technology Bombay (IITB). He is the recipient of Young Scientist Award from European Material Research Society (2003), Young Investigator Award from IIT Bombay (2009) and several other awards for paper presentations.

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What is solar photovoltaics used for?

Solar photovoltaics, also called PV, convert sunlight directly into electricity using solar cells. They are used to power electrical systems as part of renewable energy technologies. What are the three main parts discussed in the book?

What is Dr Solanki doing in Bombay?

for PV applications, thin film c-Si solar cells and concentrated PV systems. Dr. Solanki is currently one of Bombay which is funded by MNRE. He is also running a project for providing solar lamps to millions of students in rural areas ([www.millionsoul.iitb.ac.in](http://www.millionsoul.iitb.ac.in)). ac vi es. 2015 / 540pp. / 17.8 × 23.5 cm / ISBN-978-81-203-5111-0 / Rs.550.00

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Vikrant A. Chaudhari, Chetan S. Solanki "A novel two step metallization of Ni/Cu for low concentrator c-Si solar cells", Solar Energy Materials and Solar Cells Volume 94, Issue 12, December 2010, Pages 2094-2101

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CHETAN SINGH SOLANKI, PhD, is Associate Professor, Department of Energy Science and Engineering, Indian Institute of Technology Bombay. He is the recipient of Young Scientist Award from European Material Research Society (2003), Young Investigator Award from IIT Bombay (2009) and several other awards for paper presentations.

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Chetan Singh Solanki is an associate professor at IIT-Mumbai, in the department of energy science and engineering. He received his PhD from Interuniversity Micro-electronics Center, Belgium. He is involved in research related to concentrated PV systems, thin film Si-solar cell, and carbon nanotubes.

Solar Photovoltaics: Fundamentals, Technologies and Applications. Chetan Singh Solanki. PHI Learning, ... Chetan Singh Solanki. PHI Learning, 2011 - Photovoltaic cells - 478 pages. Bibliographic information ... 478 pages : Export Citation: ...

This book provides a thorough discussion of solar photovoltaic technologies from the fundamental principles of solar cell operation to manufacturing processes and applications of solar ...

Organised in three parts, Part I introduces fundamental principles of solar cell operation and design, Part II explains various technologies to fabricate solar cells and PV modules and Part...

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Photovoltaics (PV) is a method of generating electrical power by converting solar radiation into direct current electricity using semiconductors that exhibit the photovoltaic effect. This book comprehensively covers the fundamentals of, technologies behind and ...

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